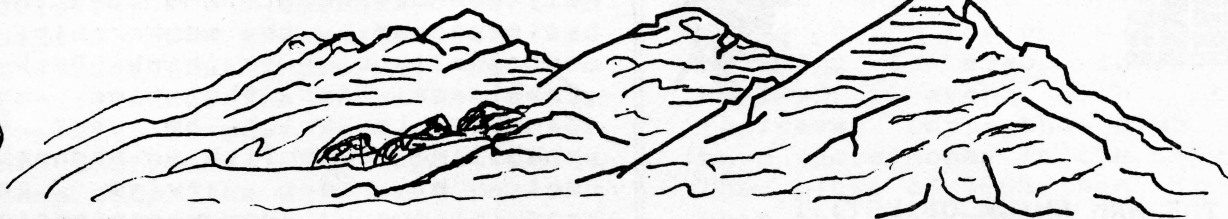


the CARRIER



the MOUNT DIABLO AMATEUR RADIO CLUB

MDARC FIELD DAY CALL W6CX

2M REPEATER W6CX/R 220 REPEATER W6CX/R

MEMORIAL CALL SIGN W6LGH

Volume XXXIV

December 1986

Issue No. 12

MDARC CLUB CALENDAR

- 21 -- CHRISTMAS PARTY
- 23 -- EXECUTIVE BOARD MEETING
- 25 -- !!! MERRY CHRISTMAS !!!
- 31 -- YOUR PLACE OR OURS?

GENERAL MDARC NET Thurs.
1930 PST. W6CX 147.06/+R
PARKY NET:
Every night 3895 khz. (+ -)QRM
NCN/VHF 1930 PST
CCRA NET 1935 PST. MON. 147.735/-R
CCATV NET Thurs. 2000 PST. 146/+R
RACES/ARES Weekly Thurs.
Central 1900 PST 145.68/S
East 1900 PST 146.54/S
West 1900 PST 145.11/-R
South 1845 PST 147.550/S
ALL EMERGENCY NETS QSY TO
147.35/-R AT 1920 PST.

MEETING NOTICE

THIS MONTH'S MEETING WILL BE HELD AT
THE GRACE PRESBYTERIAN CHURCH
2100 TICE VALLEY BLVD.
WALNUT CREEK
8:00 P.M.



The Rocky Ridge Repeater Group of MDARC meets every other month. NEXT MEETING: JAN. 21, 1987. LOCATION: Don Protzman K6LXW 134 Maricopa Dr. Pleasant Hill. New members are welcomed and long time members are brought up to date on repeater technology.

SUPPORT YOUR REPEATERS.

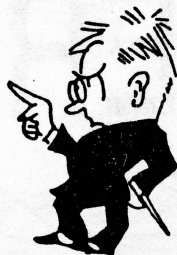
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BOARD	KT6Y	JAY CALDIS	2890 GRANDE CAMINO W.C.	939-1893
BOARD	KA6IUF		P.O BOX 3444	372-0345



DEADLINE FOR NEXT ISSUE: December 30 .. Send Articles Classified Ads and News directly to EDITOR .. NOT P.O. BOX



THE HAM SHACK OF K6TI

The first edition of this rag has been received and digested (hopefully), before this. I have received a few complements on the improvement of material and one complaint that it was not received earlier. Interesting, since I had only a week to try to put it all together after opening my big mouth. I learned long ago not to volunteer but it didn't seem to take. Oh, well! as I said in the first editorial you are stuck with me or no Carrier at all. This month I had this column put to bed when more timely and urgent material came in the mail. To all who have sent in news, "Thank You". As said before YOU will be the ones to make this effort a success. I should always have material on hand for at least two issues. Living from month-to-month is no way to go. Please bear in mind, if you do not see your item in this month's issue it may well be a head-liner next month. This is the way an editor must work if he is to make for interesting reading. This month we have some time-dated material and inclusion of MDARC constitution and by-laws. After discussions with Dick Brown, KT6X and Parky, W6IMV it was apparent that an immediate Publication of the rules by which this organization runs was necessary. Dick sent me a copy of the constitution and by-laws with amendments as last published. For cross check to make this as accurate as possible I have all the Carrier issues back to 1956. These are

on loan to me from Parky and have notes to enable me to find all the amendments and when they were passed by the membership. I especially wish to thank "Parky" Parkinson for the time and trouble to which he went to enable me to publish an accurate set of our rules and regulations. No organization can endure and flourish without a proper guideline by which to operate and it is vital that ALL members have at their disposal a printed copy of the document. I trust you will appreciate the efforts of these gentlemen as much as I.

73 and MERRY CHRISTMAS ! ! !
Carson K6TI

MINUTES OF NOV. MEETING

President Scott Miles, W6PQM, brought the meeting to order at 8:00 pm. Visitors, guests and upgrades were then given recognition.

Pres. Scott spoke of the great need for persons willing to serve MDARC by holding Office. The ballots are delayed because the slate of nominees is not complete. We need a President and a secretary. Ballots will be mailed as soon as we have a complete slate. Installation of the 1987 Officers will be at the Christmas party.

Hank Berriman, the MDARC, EC spoke of the SET which was held Noember 16 involving the cities of Orinda, Lafayette and Moraga. He requested a report from Joe Gregory, W6DQN who was actively involved in setting up this exercise. (Ed. note...see SET article.) Hank also asked that you read his RACES/ARES report for this past year which will appear in the Carrier.

Vicki Zumwalt, N6KLS reported briefly on the uniformed portion of the RACES group and clarified the fact that there will be two groups under the Sheriff's Dept. One will be uniformed, the other not uniformed. They will be the same except the uniformed portion will be a Level IV Reserve of the Sheriff's Dept. and will receive special training to carry out special duties. There will be a meeting of these members Jan. 21 at 7:30pm in Martinez. Both sections are open for membership. In response to a question from Carson Taylor, K6TI, Vicki said the I.D. patches to be worn on the shoulder of a yellow jacket will be the same for both sections. Identical I.D. cards will also be issued to both groups. Approval of the designs has just been completed and it is hoped that the patches and cards will be available by the Jan 21 meeting.

It was also noted that Eugene Rogers of Confire has been promoted to Ranger II status and reassigned to the Emergency Command Center in Sacramento.

In the treasurer's report Mary Bradshaw W1GY showed that the cub savings account contains \$1512.05 while our checking account has \$800.88 at this reading. This happy state of affairs is due, in no small part, to the success of the October Auction. As to expenditures, the insurance we must carry if we are to continue to meet at Grace Church, has more than doubled. This year's premium is \$500.00. The President pointed out that the "Rocky Ridge Reater Group" pay one-third of the amount even though they no longer use these buildings for their meetings.

A bill is being forwarded to them for their share. Mary also stated that the donation to Grace Church for our use of the building is also increasing. However, even with these increased costs the club will have more money in the bank at the close of 1986 than it had when the year began.

Carson Taylor, K6TI, new editor of the Carrier asked for news items, technical articles and "letters to the Editor". Deadline is the 30th of each month but he would like to move this forward approximately one week so he can be sure of getting the paper in the mail on time. Please send everything directly to his home, 48 Mariposa Ct. Danville CA. 94526. Do not send material for publication the the club P.O. box.

Joe Gregory, WA6DQN, said two or three operators will be needed early for the Christmas Party. Come to the party location about 1730 hours to direct attendees how to get to the parking garage. Contact Joe to volunteer. We want no one to get lost.

Lauren Styles, WA6CIE, showed the raffle prizes for the evening. First prize, a 1987 North American Callbook, second prize, the 1987 ARRL Handbook and third prize, an Igloo Icechest.

Scott, WB6PQM, asked that everyone get their Christmas party reservations in immediately. This is a pot-luck dinner and food assignments must be made.

There was no speaker. Meeting adjourned at approximately 2100 hours for coffee and doughnuts. There was no Board meeting this month.

Respectfully submitted,
Diane Whitten, KB6FHE
Club Secretary.

SATELLITE SCATTER ! ! !

From AMSAT Satellite report here are the Keplerian Elements to assist you in finding OSCAR-12, also known as FO-12. Built and launched by the Japanese, "Jamsat" it has achieved singular success in the low orbit satellite field. Since it's Apogee is less than 1500 km, the window through which you may access this bird is quite narrow. Access time and length varies with location, position of the satellite and other factors, however, it is only averages approximately eleven minutes of useable signal. Any of you who have been active on AO-10 have been spoiled by the ten and eleven hour windows associated with a high flying object, such as AO-10, whose Apogee was usually over 35,000Km. For you who wish to chase FO-12 here are the Keplerian Elements to enter into your computer tracking program. If you need such a program bring me a disc. I'll copy it for you. The Computer you have must be an IBM, compatible, however.

OSCAR-12

Epoch Time: 86286.59572280
 Element Set: 15
 Inclination: 50.0144 deg
 RA of Node: 63.3257 deg
 Eccentricity: 0.0010965
 Arg of Perigee: 19.3218 deg
 Mean Anomaly: 340.7968 deg
 Mean Motion: 12.4439098 rev/day
 Decay rate: -2.e-07 rev/day
 Epoch Rev: 768
 Semi-Major Axis: 7866.848 km
 Anom Period: 115.719060 min
 Apogee: 1498.701 km
 Perigee: 1481.449 km
 Ref.Perigee: 3207.60000941
 Translate Freq: 581.8000 Mhz.
 Invert: 1
 Beacon: 435.7970 Mhz.

Good Hunting, It's fun !

**OSCAR 25th BIRTHDAY
1986**

For the past four years Contra Costa Hams have added a new twist to celebrating on New Years Eve. The fun starts at 2000 Hours in Martinez at the Sheriff's "Place". After a briefing by the Sheriff, everyone is on their way to "tank up" with free gas for the free cars. The food is also free and better company cannot be found. This patrol will last until the wee morning hours of New Year's Day. "Your Place Or Ours" begins its fifth year on Dec. 31, 1986 and is a special way that hams can serve their community. The program is coordinated by Sheriff Rainey. Drivers come from the communities and the Sheriff's Dept. Lasher Publications provides publicity, Chevron the gasoline, car dealers the autos and McDonalds, food for all the participants. Amateur Radio communications makes the entire effort "tick". Between the hours of 2000 hours and 0400 hours sixteen radio-equipped mobiles provide free transportation to almost 200 very grateful people who have imbibed too freely. Since "Your Place or Ours" began there has not been a traffic fatality on New Year's Eve in Contra Costa County. Become involved and know that warm feeling being of value to your fellowman. You will make the difference. Twenty to twenty-five hams are needed for this operation to be successful. There are still slots open so call me now and volunteer. People return year after year because they found it to be a very enjoyable celebration of the New Year. Every one has a great time..call me at 676-8239. If I am not there leave your name and number, I'll return your call... Brad Watson W6AEO.



**DEMOCRACY BELIEVES
IN THE VALUE
OF EACH INDIVIDUAL.**

ARES/RACES

Since this is the last edition of the "CARRIER" for 1986, I would like to summarize the events and accomplishments of a very successful "operating" year. With special thanks to all MDARC members who participated, we have made great progress in many of our goals. Contra Costa Emergency Radio Net check-ins averaged more than 60 operators each Thursday evening.

Simulated Emergency Tests were held in May, October and the latest one, covering Lafayette, Moraga and Orinda, in November.

Seminars for instruction and practice were held three times, at the Consolidated Fire College, February 23, May 18, and September 14th.

We have Kaiser Hospitals now equipped with two meter transceivers and antennas as well as Dow Chemical Co. in East Co. And remarkably the gear was purchased by the using agency.

Lafayette has a new Emergency Operating Center (EOC) with a team of assigned operators. Danville, San Ramon and unincorporated South Co. has an active South County Coordinator (K6TI) as does Moraga and Orinda (WB6MZQ).

Our EC (Emergency Coordinator) meetings are now held each month on the first Wednesday at 2000 Hours in the State Office of Emergency Services, Pleasant Hill.

The biggest change for us, however, is our new sponsor. Taking over for County OES is the Communication Division of the County Sheriff's Department. While we will continue to maintain and operate all our presently assigned sites, a special volunteer group within our organization will also become members of a Uniformed Reserve Level IV Unit. Special training of these volunteers will begin in January 1987. A meeting for all those interested has been scheduled for January 21 at 7:30 pm in the Sheriff's Building, Martinez with talk-in on 147.735 repeater.

That is all I have for now so thanks to all for a great year and remember it is your participation that makes it a success.

Merry Christmas Hank W6ZHY

NOVEMBER SET

Lafayette Amateurs participated in simulated emergency training with Orinda and Moraga on Sunday, November 16. The Lafayette Emergency Operations Center station was opened by John, KD6EP, and Joe, WA6DQN. Fred, K6REQ, was mobile and initiated several simulated emergency messages. Wayne, WB6WZV, was net control on the 15 meter net and also served as liaison between the HF and VHF groups. Chuck, W6CJJ, and ED, W6FZO, checked in on HF and passed simulated welfare traffic. HF contacts were also made with K6MFV and W6LKE.

INFORMATION FROM THE ROCKY RIDGE
REPEATER GROUP CHAIRMAN

.....Bob Dahl KA6LSL

Having up-dated all of the repeaters to top-flite equipment, we would like to extend an invitation to all MDARC members to join RRRG. By so doing you will gain access to all of the systems and their many advantages. The dues are printed elsewhere in the Carrier and are very reasonable. They include full use of the autopatches and autodialing.

NOTICE TO ALL PRESENT MEMBERS OF
RRRG

A correction in the control you just received was necessary call any one of the following persons for this correction.

Bob KA6LSL

Rick WB6EZI

Don W6NKF

Jay KT6Y

Thank you and Merry Christmas.

Happenings at the meeting of
RRRG Nov.19, 1987.

The meeting was held at in the recreation room of K6LXW's apartment complex. One new member was voted in...John KB6DJX. Welcome to the fun John. Rick WB6EZI gave an update on the technical status of the repeaters and the problem of the inter-mod distortion which is originating in a paging system on the hill. We are not the only ones affected and the owner of the system is doing everything possible to find the source. It would appear to be in a self-rectification of rf probably in a bolt or joint in the antenna array. These are

common sources of this type of problem. Everyone is cooperating and it will be found and corrected. The members present then voted on a motion to keep the dues structure as it is now \$25.00 per year. Motion carried so dues for 1987 will be the same as they have been. Elections were then held and the slate of officers for 1987 unanimously elected the following:

Chairman.....Bob Dahl KA6LSL

Tech. Chair..Rick Barber WB6EZI

Secretary....Carolyn Dahl KA6LSK

Treasurer....Norma Davis N6EJZ

Members at Large..Don Smith

W6NKF and Mike Scott N6GOZ.

Since confusion has existed in the past as to what month the meetings are held, a schedule was named and hereby announced for the coming year. The RRRG will meet Jan.21, March 18, May 20, July 15, Sept. 16 and Nov.18. The dates will be published on the front page of the Carrier monthly and should you forget check W6CX/R it will always remind you. The location is the Recreation room at 134 Maricopa in P.H. This is the QTX of Don K6LXW.

.....Carolyn Dahl KA6LSK
Group Secretary.

DID YOU KNOW?.....

...that the call W6CX was the call of the first MDARC President, Bud Stedinger. After his death, his widow helped the club to obtain the call for our repeaters.....the memorial call sign W6LGW, belonged to Pete Peterson was the second President and was very active in club affairs for many years. W6LGW is now used when we operate from the Red Cross RACES station.....

MOUNT DIABLO AMATEUR RADIO CLUB GENERAL NET

The MDARC General Net meets every Thursday evening from 7:30 P. M. to 8:00 P.M. The Net Control is yours truly, Jay KT6Y. Alternate Controls are Rick WB6EZI and Don WB6TEE. The purpose of this is net for all members of The Mount Diablo Radio Club to check into a net once a week and pass information to other members, learn of upcoming events, list equipment for sale and anything else useful to the Amateur Community. The net meets on the two meter repeater W6CX, 147.06 + 600. Announcements regarding upcoming meetings, social events, schools, Board meetings and repeater news will be made. All check-in's will be allowed to make personal announcements Etc. Check in will be by blocks of the alphabet, A to H, I to M, and N to Z. When checking in wait until you think your call is at the proper place to prevent everyone transmitting at the same time. A roster will be kept of all check-in's for each week. Once a month, usually the first Thursday of the month, check in will be made by calling each name and call on the roster. Calls that do not respond for over a month will be dropped from this roster.

Just prior to this net the RACES Net for Contra Costa County meets at 7:00 P.M. on 145.68 Simplex.

(Ed.note..this frequency is Central County only. See front page for full schedule of RACES nets..) This is for emergency situations that may occur in the County. Check in to the RACES net and then change frequency and meet us on the MDARC Net.

The Net is a good place to find out the call and name that goes with the voice you on the repeaters. So lets hear from all you members on Thursday evening at 7:30 P.M.

Take your "handle-talkie" to the dinner table. I am sure your family will understand. HI HI.
.....de Jay KT6Y

SUPPORT YOUR REPEATERS JOIN THE ROCKY RIDGE REPEATER GROUP ***

THE MDARC LOVELIES.....news
from the YL's.....

INTRO TO HAM RADIO

Some eight years ago a raging fire was threatening our beloved Mt.Diablo. A couple, not in their "teens" were trying to find some direct news from the fire front on an all-band portable radio. As they tuned they came upon some communication they could not quite understand. Apparently a group of civilians were maintaining communication links for the firefighters who were spread over the ridges and canyons in very difficult terrain. Amazing...fascinating. Who were these persons? Inquiry told them these were "Hams". More inquiry led to the purchase of a general-coverage receiver and advice to attend a local radio club to learn how to put up an antenna. MDARC was the club. Here they found a world apart from any they had known. Code..Theory of radio and electricity..Oh! that theory.. but they were "hooked". Entering a class they studied all these new and strange things one day found they had a license to be "hams", (imagine needing a license to be a ham.) Were they hamsters?...no, no, "hams." This was obviously a special breed. Whatever it was, we were now one of them. They made us feel so and helped in every way. The years have passed and one of us has found her special niche, Public Service and traffic handling.

We are still enjoying the warm friendship of the Club and have learned many things. All because there was a fire on Mt.Diablo.
*****73***** Betty Lou KB6UX

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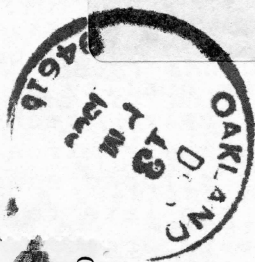
Christmas is a time of goodwill. Let's put aside personality differences, hurt feelings, and even anger. MDARC was known far and wide for the quality of its membership, their technical ability, and their true ham spirit. It has slipped somewhat but it is not too late to make it again a great organization. This coming year it will be forty years old. Don't let it languish and die for want of caring. If it needs to be changed YOU can change it but only if you are active in it. 1987 is the year of rebirth. Let's get it together again for the good of us all.

Following you will find the Constitution, the By-Laws, and Amendments.

Also included are the dates the membership passed these amendments. It is respectfully requested that a good look be taken at the amendment raising dues to \$15.00 per year. The amount is not in question but the form in which it was accomplished appears to be illegal according to Robert's Rules of Order. If it is in error, it should be corrected for the records by a proper motion at a general meeting and voted on by the membership present. Study this document, it reminds us all why MDARC was started. If we have strayed let us put our feet upon the path once again and go forward together to build even a greater club than existed before. Not an easy thing to do, that is for sure. But let's DO it.

MERRY CHRISTMAS TO ALL

Bring a friend to a MDARC meeting.



FIRST CLASS MAIL

From:
Mt. Diablo Amateur Radio Club, Inc.
P.O. Box 23222
Pleasant Hill, Calif. 94523

The CARRIER

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ASTRON	CALLBOOKS	HAM PUBLICATIONS
ARRL	COAX CABLE	MFJ NYE
AMECO	CONNECTORS	REGENCY
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SISTER CLUB



DK0EE

Renewing

Don't forget to renew your ARRL membership through the Club. Send us the card and money We forward to the ARRL and get to keep \$2.00.